

ABSTRACT

The present invention provides a method of detecting a peroxide-based explosive in a sample suspected of consisting of or comprising such explosive, which method comprises dissolving said sample in a suitable organic solvent, contacting the solution with an aqueous solution of a strong acid capable of decomposing said explosive to release hydrogen peroxide, and contacting the resulting mixture with a peroxidase enzyme. The invention also provides a kit for use in the method of the invention.